



<p>Substitute for form 1449A-B/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>		Complete if Known			
		Application Number	10/076,902		
		Filing Date	February 13, 2002		
		First Named Inventor	Gary N. Ch rr		
		Group Art Unit	1614		
		Examiner Name	Unassigned		
		Attorney Docket Number	309T-300410US		
Date Submitted	November 21, 2002				

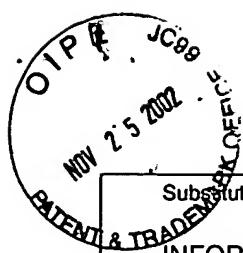
U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
<i>SGJ</i>	01	3,914,433		Ward et al.	10-21-1975	
	02	4,185,097		Ward et al.	01-22-1980	
	03	4,264,575		Zimmerman et al.	04-28-1981	
	04	4,419,366		Cormier	12-06-1983	
	05	4,432,967		Szymanski	02-21-1984	
	06	4,469,671		Zimmerman et al.	09-04-1984	
	07	4,493,699		Zimmerman et al.	01-15-1985	
	08	4,935,239		Machida et al.	06-19-1990	
	09	4,988,799		Samson et al.	01-29-1991	
	10	5,554,596		Mach et al.	09-10-1996	
	11	5,698,524		Mach et al.	12-16-1997	
	12	5,958,399		Sonderfan et al.	09-28-1999	
	13	6,075,050		Singh et al.	06-13-2000	
<i>SGJ</i>	14	6,239,182		Zaneveld et al.	05-29-2001	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					T
<i>SGJ</i>	15	Sorimachi (1992) Cell Biol Int Rep 16(3):249-57.					
	16	Anderson et al. (2000) "Evaluation of Poly (styrene-4-sulfonate) as a preventative agent for conception and sexually transmitted diseases." J. Androl. 21:862-875.					
<i>SGJ</i>	17	Cherr et al. (1993) "Electrophoretic separation, characterization, and quantification of biologically active lignin-derived macromolecules." Anal Biochem 214:521-527.					

Examiner Signature	<i>SGJ</i>	Date Considered	<i>7/11/03</i>
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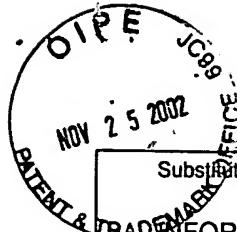
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18	Deangelis et al. (1987) "Polysaccharide structural features that are critical for the binding of sulfated fucans to bindin, the adhesive protein from sea urchin sperm." J Biol Chem 262:13946-13952.
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28	Oehninger et al. (1990) "Antagonistic and agonistic properties of saccharide moieties in the hemizona assay." Fertil Steril 53 (1990) 143-149.
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31	Pearce-Pratt et al. (1996) "Sulfated polysaccharides inhibit lymphocyte-to-epithelial transmission of human immunodeficiency virus-1." Biol Reprod 54:173-182.
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33	Peterson et al. (1984) "Evidence for specific binding of uncapacitated boar spermatozoa to porcine zona pellucidae in vitro." J Exp Zool 231:137-147.

Examiner Signature	<i>Sag</i>	Date Considered	<i>7/18/03</i>
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<i>SGJ</i>	34	Pillai et al. (1997) "Inhibition of the sea urchin sperm acrosome reaction by a lignin-derived macromolecule." Aquatic Toxicology (Amsterdam) 37:139-156.
	35	Ponce et al. (1994) "Inhibition of sperm-egg fusion in the hamster and mouse by carbohydrates." Zygote 2:253-262.
	36	Salinas et al. (2000) "Identification of cell surface domains for lignosulfonic acids derived from pulp mill effluent." In Abstracts, 21 st Annual Meeting of the Society of Environmental Toxicology and Chemistry, Nashville, TN, Nov. 2000; Society of Environmental Toxicology and Chemistry, Pensacola, FL.
<i>SGJ</i>	37	Youssef HM et al (1997) "Effect of sperm viability, plasmalemma integrity and capacitation on patterns of expression of mannose-binding sites on human sperm." Arch Androl 38:67-74.

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